



PATENT
SP00-357

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): J. Leloup et al.

Amendment

Serial No.: 10/029,738

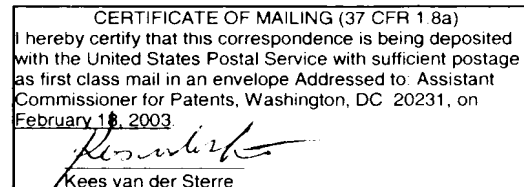
Group Art Unit: 1764

Filing Date: December 18, 2001

Examiner: Alexa Doroshenk

Title: STACKED MONOLITH REACTOR
AND PROCESS

BOX NON-FEE AMENDMENT
Assistant Commissioner for Patents
Washington, DC 20231



Sir:

In response to the Office Letter mailed herein on December 18, 2002, please
amend the above-entitled application as follows:

IN THE CLAIMS

--1.(amended) A catalytic reactor for treating a gas-liquid feed stream with
structured monolithic catalysts of honeycomb configuration comprising:

a reactor vessel for the containment of a catalyst bed for processing a gas-liquid
feed stream;

a catalyst bed comprising two or more sections of structured honeycomb catalyst
disposed within the reactor vessel, the catalyst bed including at least a first
catalyst section and a second catalyst section disposed in flow-connected
end-to-end relationship with the first catalyst section;

each of the first and second catalyst sections having an inlet end, an outlet end,
and a plurality of parallel open-ended honeycomb channels bounded by
channel walls with catalytically active wall surfaces extending between the
inlet and outlet ends, the channels of both sections being oriented along a
common flow axis of feed stream flow through the catalyst bed;

the channels in the second catalyst section being offset from the channels in the
first catalyst section such that at least a majority of the channels in the first
catalyst section have outlet ends opening onto at least one channel wall
segment and at least two adjoining channel openings at the inlet end of
the second catalyst section.--

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